		1	ı	1	SHEE	ET NU	JM.			1	1	ı	PAI	RT.	ITEM	ITEM	GRAND	UNIT	DESCRIPTION	SEE SHEE
fice alcs	5	6	7	8	9	12	2	30	43					01/NHS/BR		EXT	TOTAL	0		NO
																			TRAFFIC CONTROL CONT.	
								22						22	630	03100	22	FT	GROUND MOUNTED SUPPORT, NO. 3 POST	
								2						2	630	80100	2	SF	SIGN, FLAT SHEET	
						-		4						4	630 630	84900 86002	4	EACH EACH	REMOVAL OF GROUND MOUNTED SIGN AND DISPOSAL REMOVAL OF GROUND MOUNTED POST SUPPORT AND DISPOSAL	
								4						4	630	86002	4	EAUT	REMOVAL OF GROUND MOUNTED FOST SUFFORT AND DISFUSAL	
								0.38						0.38	646	10010	0.38		EDGE LINE, 6"	
						+		0.19						0.19	646	10200	0.19	MILE	CENTER LINE	
																			STRUCTURE OVER 20 FOOT SPAN (COL-7-2634)	
									LS					LS	202	11203	LS		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN	4
									98 98					98 98	202 202	22900 23500	98 98	SY SY	APPROACH SLAB REMOVED WEARING COURSE REMOVED	
									30					30	202	23300	30	31	MEANING COUNSE REMOVED	
									825					825	203	98000	825	CY	ROADWAY, MISC.:EPS GEOFOAM FILL	42
						_			LS					1.5	503	11100	1.0		COFFERDAMS AND EXCAVATION BRACING	
						+			766					LS 766	503	21100	LS 766	CY	UNCLASSIFIED EXCAVATION	
									LS					LS	505	11100	LS		PILE DRIVING EQUIPMENT MOBILIZATION	
									1,380					1,380	507	00360	1,380	FT	STEEL PILES HP14X89, FURNISHED	
									1,260					1,260	507	00364	1,260		STEEL PILES HP14X89, DRIVEN	
									935					935	507	00700	935	FT	16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN	
						-			1,030 217					1,030 217	507 507	00750 92201	1,030 217		16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED PREBORED HOLES, AS PER PLAN	41
									211					211	301	32201	211	, ,	THEBORED HOLES, AS TER TEAM	
									24					24	507	93300	24	EACH	STEEL POINTS OR SHOES	
									146,394					146,394	509	10000	146,394	LB	EPOXY COATED REINFORCING STEEL	
										~~		~~			√ 53 /	17. 1	\sim	VENCY	SEMI-INTEGRAL DIARHRAGM BUIDS, AS PER PLANY	V 00
								-(- [191		\ \ \ \	\ \ \	\sim	191	7511 511	3 3501 34447	191	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN	42
									للك	77	لللا	\\	ىب	<u> </u>	<u>\</u>	34450	<u>51</u>	CX	CLASS XCC2XCONCRETE WATH XC/QA, BRIDGE DECKX/PARAPET	تر
						-			613					613	511	43512	613	CY	CLASS QCI CONCRETE WITH QC/QA, ABUTMENT INCLUDING FOOTING	
						1			890					890	512	10100	890	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	
									47					47	512	10300	47	SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN	
						+			44					44	512	33000	44	SY	TYPE 2 WATERPROOFING	
						+			136,000					136,000	513	10280	136,000	LB	STRUCTURAL STEEL MEMBERS. LEVEL 4	
									2,574					2,574	513	20000	2,574	EACH	WELDED STUD SHEAR CONNECTORS	
									17					17	<i>516</i>	13600	17	SF	1" PREFORMED EXPANSION JOINT FILLER	
						+			238					238	516	13900	238	SF	2" PREFORMED EXPANSION JOINT FILLER	
									117					117	516	14020	117	FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL	
									101					101	516	31010	101	FT	2" DEEP JOINT SEALER	
						+			12					12	516	44101	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13"X19"X2.037" PAD W/ STEEL LOAD PLATES AND HP12X53 PEDESTAL)	72
					+	-			210 405	-				210 405	518 518	21200 40000	210 405	CY FT	POROUS BACKFILL WITH GEOTEXTILE FABRIC 6" PERFORATED CORRUGATED PLASTIC PIPE	
					1				120	1				120	518	40000	120		6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	57
\Box									2 , 532					2,532	518	62600	2,532		STRUCTURE DRAINAGE, MISC.: PREFABRICATED GEOCOMPOSITE DRAIN	4
-+		-				-			1					1	523	20000	1	EACH	DYNAMIC LOAD TESTING	
															020		,			
									316					316	526	30001	316		REINFORCED CONCRETE APPROACH SLABS (T=17"), AS PER PLAN	84
									101					101	526	90010	101	FT	TYPE A INSTALLATION	
									153					153	601	12000	153	SY	RIPRAP, WITH GROUT	
									200					200	607	39900	200	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC	
									862					862	625	25601	862	FT	CONDUIT, 4", 725.04, AS PER PLAN	4
		-			+	+			42					42	846	00110	42	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM	
				i								I		LS	867	00100	LS	 	TEMPORARY WIRE FACED MECHANICALLY STABILIZED EARTH WALL	

THIS WORK CONSISTS OF FURNISHING, TRIMMING AND PLACING BLOCK-MOLDED EXPANDED POLYSTYRENE (EPS) FOR USE AS A GEOFOAM GEOSYNTHETIC PRODUCT IN APPLICATIONS REQUIRING LIGHTWEIGHT FILL MATERIAL.

FURNISH EPS GEOFOAM BLOCKS PRODUCED BY A MANUFACTURER WITH A QUALITY CONTROL PROGRAM WHICH IS MONITORED AND CERTIFIED BY AN ACCREDITED, THIRD-PARTY TESTING ORGANIZATION. AT LEAST 20 DAYS BEFORE THE WORK IS TO BEGIN, SUBMIT TO THE ENGINEER THE FOLLOWING DOCUMENTS:

- 1. CERTIFIED TEST DATA SHOWING THE EPS GEOFOAM MEETS THE SPECIFIED
- 2. MANUFACTURER'S QUALITY CONTROL PLAN AND EVIDENCE OF THIRD-PARTY QUALITY CONTROL MONITORING.
- 3. SHOP DRAWINGS SHOWING BLOCK THICKNESS, WIDTH, LENGTH, AND LAYING PATTERN OR SCHEDULE.

FURNISH EPS GEOFOAM BLOCKS CONFORMING TO ASTM D 6817, RIGID CELLULAR POLYSTYRENE GEOFOAM, ACCORDING TO THE GEOFOAM TYPE INDICATED IN THE PLANS AND THE TABLE BELOW.

ASTM TYPE	EPS22	EPS29	EPS39	EPS46
MINIMUM DENSITY, LB/CU.FT.	1 . 35	1.8	2.4	2.85
COMPRESSIVE RESISTANCE				
AT 1% STRAIN, PSI	7.3	10.9	<i>15.0</i>	18.6
AT 5% STRAIŃ. PSI	16.7	24.7	<i>35.0</i>	43.5
AT 10% STRAIŃ. PSI	19.6	29.0	40.0	50.0
FLEXURAL STRENGTH, PSI	<i>35.0</i>	50.0	60.0	75.0

FURNISH BLOCKS TREATED BY THE MANUFACTURER WITH A TESTED AND PROVEN TERMITE TREATMENT FOR BELOW GRADE APPLICATIONS. THE TREATMENT SHALL BE EPA REGISTERED, MEET REQUIREMENTS OF ICC ES AC239, AND BE RECOGNIZED IN AN ICC ES REPORT. FURNISH BLOCKS THAT MEET THE PRODUCT FLAMMABILITY REQUIREMENTS SPECIFIED IN ASTM C578.

FURNISH BLOCKS THAT ARE SMOOTH AND FLAT ON ALL SURFACES AND HAVE A DIMENSIONAL TOLERANCE OF ±0.5 PERCENT. THE CORNER OR EDGE FORMED BY ANY TWO FACES OF A BLOCK SHALL BE PERPENDICULAR. THE DEVIATION OF ANY FACE OF THE BLOCK FROM A THEORETICAL PERPENDICULAR PLANE SHALL NOT EXCEED 1/8 INCH OVER A DISTANCE OF 20 INCHES. ANY ONE FACE OF A BLOCK SHALL NOT DEVIATE FROM A THEORETICAL PLANE BY MORE THAN 1/4 INCH WHEN MEASURED USING A STRAIGHTEDGE

BEFORE SHIPPING TO THE SITE, ENSURE BLOCKS ARE SEASONED BY STORING THEM AT THE MANUFACTURER'S FACILITY FOR AT LEAST 72 HOURS AT NORMAL AMBIENT ROOM TEMPERATURE AFTER BEING RELEASED FROM THE MOLD. DURING SEASONING, ALLOW ADEQUATE SPACE BETWEEN THE BLOCKS TO ALLOW AIR CIRCULATION SO AS TO FOSTER THE OUTGASSING OF BLOWING AGENT AND TRAPPED CONDENSATE FROM WITHIN THE

LABEL EACH BLOCK WITH THE MANUFACTURER'S NAME, ASTM EPS TYPE, THE DATE THE BLOCK WAS MOLDED, THE WEIGHT AND THE DENSITY OF THE BLOCK AS MEASURED AFTER

PROTECT THE BLOCKS FROM EXPOSURE TO THE FOLLOWING:

- 1. ORGANIC SOLVENTS SUCH AS ACETONE, BENZENE, AND PAINT THINNER
- PETROLEUM BASED SOLVENTS SUCH AS GASOLINÉ AND DIESEL FUEL
- HEAT SOURCES OR ACTIVITY THAT PRODUCES HEAT OR FLAME, INCLUDING TOBACCO
- 4. MORE THAN 30 DAYS EXPOSURE TO SUNI IGHT

PROVIDE TIE DOWN STRAPS, SANDBAGS OR OTHER FLEXIBLE WEIGHTS TO PREVENT BLOCKS FROM BEING DISLODGED BY WIND. DO NOT STORE BLOCKS WHERE THERE IS A POTENTIAL FOR FLOODING.

PROTECT BLOCKS FROM DAMAGE. BLOCKS WITH SLIGHT DAMAGE WHICH AFFECTS A VOLUME OF 0.12 CUBIC FEET OR LESS MAY BE USED AS IS. BLOCKS WITH MODERATE DAMAGE WHICH AFFECTS A VOLUME OF 0.35 CUBIC FEET OR LESS MAY BE USED AND THE DAMAGED AREA FILLED WITH SAND. DO NOT USE BLOCKS WITH DAMAGE THAT AFFECTS A VOLUME GREATER THAN 0.35 CUBIC FEET. THE CONTRACTOR MAY CUT AND REMOVE THE DAMAGED PORTION OF A BLOCK AND THEN USE THE REMAINING UNDAMAGED PORTION OF THE BLOCK IF IT MEETS ALL OTHER REQUIREMENTS.

PREPARE THE SURFACE ON WHICH THE FIRST LAYER OF BLOCKS WILL BE PLACED BY STRIPPING ALL VEGETATION AND GRADING SO THAT IT IS LEVEL WITHIN A TOLERANCE OF 0.5 INCH OVER A 10 FT DISTANCE. PLACE GRANULAR MATERIAL CONFORMING TO SIZE NO. 9 IN TABLE 703.01 IN THE CM&S ON THE SURFACE TO FILL ANY LOW SPOTS IN THE SURFACE. ALSO USE NO. 9 SIZE GRANULAR MATERIAL TO FILL VOIDS BETWEEN THE SOIL AND SIDES OF THE BLOCKS.

PLACE BLOCKS AS INDICATED ON THE PLANS AND SHOP DRAWINGS. PLACE BLOCKS SO THAT ALL VERTICAL AND HORIZONTAL JOINTS BETWEEN BLOCKS ARE TIGHT. GAPS SHALL NOT EXCEED 1 INCH. AVOID CONTINUOUS VERTICAL JOINTS BY OFFSETTING AND ROTATING SUCCESSIVE LAYERS OF BLOCKS. OFFSET BLOCKS AT LEAST 2 FEET BETWEEN LAYERS. THE SURFACE OF EACH LAYER OF BLOCKS ON WHICH ANOTHER LAYER WILL BE PLACED MUST BE LEVEL TO WITHIN 0.5 INCH OVER A 10 FT DISTANCE. CONSTRUCT THE SURFACE OF THE UPPERMOST LAYER OF BLOCKS TO THE GRADE SHOWN ON THE PLANS TO A TOLERANCE OF ZERO TO MINUS 2.5 INCHES.

TRIM THE BLOCKS AS REQUIRED USING A SAW OR HOT WIRE.

PLACE CONNECTOR PLATES BETWEEN HORIZONTAL LAYERS OF BLOCKS. PLACE AT LEAST TWO CONNECTOR PLATES PER BLOCK. FURNISH CONNECTOR PLATES MANUFACTURED FROM GAL VANIZED STEEL OR STAINLESS STEEL AND THAT ARE BARBED ON BOTH SIDES. EACH CONNECTOR PLATE SHALL HAVE A LATERAL HOLDING STRENGTH OF AT LEAST 60 LBS.

PORTIONS OF THE GEOFOAM FILL THAT ARE NOT BENEATH A CONCRETE DISTRIBUTION SLAB OR CONCRETE APPROACH SLAB MUST BE PROTECTED FROM HYDROCARBON SPILLS (E.G. DIESEL OR GASOLINE) BY COVERING THE GEOFOAM BLOCKS ON THE TOP AND SIDES FURNISH A GEOMEMBRANE MANUFACTURED FROM A TRI-POLYMER MATERIAL CONSISTING OF POLYVINYL CHLORIDE, ETHYLENE INTERPOLYMER ALLOY, AND A POLYURETHANE OR A COMPARABLE POLYMER COMBINATION. THE MATERIAL SHALL MEET THE FOLLOWING PHYSICAL AND CHEMICAL REQUIREMENTS.

• THICKNESS: MINIMUM 30 MILS (ASTM D751) • UNLEADED GASOLINE VAPOR MAXIMUM TRANSMISSION RATE 0.40 OZ. PER SQUARE FOOT PER 24 HOURS (ASTM D814)

GRAB TENSILE STRENGTH: MINIMUM 550 LBS BOTH MACHINE AND CROSS DIRECTION (ASTM D751)

ELONGATION AT BREAK: 20% MINIMUM (ASTM D751)

 TOUGHNESS: MINIMUM 11,000 POUNDS (GRAB TENSILE STRENGTH MULTIPLIED BY PERCENT ELONGATION)

• PUNCTURE RESISTANCE: MINIMUM 750 LB (ASTM D751 BALL TIP) • COLD CRACK: PASS AT -30° FAHRENHEIT (ASTM D2136 1-INCH MANDREL, 4 HOURS)

• FACTORY SEAMS: 2-INCH MINIMUM BONDED WIDTH

• SHEAR: MINIMUM 320 LB (ASTM D751)

PROVIDE CERTIFIED TEST DATA FROM THE MANUFACTURER THAT DEMONSTRATES THE GEOMEMBRANE MEETS THE ABOVE REQUIREMENTS. OVERLAP THE GEOMEMBRANE A MINIMUM OF 18 INCHES AT THE ENDS AND SIDES. PLACE THE BEGINNING OF EACH NEW ROLL BENEATH THE END OF THE PREVIOUS ROLL TO PREVENT THE ADVANCING FILL FROM LIFTING THE GEOMEMBRANE. STAGGER END OVERLAPS AT LEAST 5 FEET FROM THE OTHER END OVERLAPS IN ADJACENT ROLLS.

DO NOT DRIVE, OPERATE CONSTRUCTION EQUIPMENT, OR PLACE CONCENTRATED LOADS DIRECTLY ON THE BLOCKS. REMOVE AND REPLACE BLOCKS DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS AT NO EXPENSE TO THE DEPARTMENT. PLACE AT LEAST 12 INCHES OF FILL OVER THE TOP OF THE BLOCKS BEFORE BEGINNING COMPACTION.

THE DEPARTMENT WILL MEASURE THE QUANTITY OF EPS GEOFOAM FILL BY THE NUMBER OF CUBIC YARDS COMPLETED AND ACCEPTED IN PLACE. INCLUDE IN THE CONTRACT UNIT PRICE FOR EPS GEOFOAM FILL THE COST OF SITE PREPARATION, GRANULAR MATERIAL, CONNECTOR PLATES, GEOMEMBRANE WRAP, AND OTHER ITEMS WHICH DO NOT HAVE A SEPARATE PAY ITEM BUT ARE NECESSARY TO INSTALL THE EPS GEOFOAM FILL. THE DEPARTMENT WILL PAY FOR ACCEPTED QUANTITIES AT THE CONTRACT PRICES AS

DESCRIPTION ROADWAY MISC .: EPS GEOFOAM FILL 203

<u> ITEM 511 - CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN</u>

THIS ITEM SHALL BE PERFORMED ACCORDING TO C&MS 511, EXCEPT DECK FORMWORK HANGERS SHALL BE GALVANIZED PER C&MS 711.02.

ABBREVIATIONS:

MIN. - MINIMUM

MISC. - MISCELLANEOUS

ABUT. - ABUTMENT MSE - MECHANICALLY STABILIZED EARTH ADT - AVERAGE DAILY TRAFFIC N - NORTH ADTT - AVERAGE DAILY TRUCK NB - NORTHBOUND TRAFFIC NO. - NUMBER APPR. - APPROACH N.P.C.P.P. - NON-PERFORATED B - BOTTOM CORRUGATED PLASTIC PIPE OHWM - ORDINARY HIGH WATER MARK **₽** - BASELINE O/O - OUT TO OUT R.F. - BACK FACE - BENCHMARK P.C.P.P. - PERFORATED CORRUGATED PLASTIC PIPE BOT. OR BTM. - BOTTOM PREFORMED EXPANSION - BEARING BRIDGE TERMINAL ASSEMBLY JOINT FILLER C.J. - CONSTRUCTION JOINT CLR. - CLEAR PROP. - PROPOSED PSF - POUNDS PER SQUARE FOOT P.V.I. - POINT OF VERTICAL INTERSECTION Q - FLOW RATE CMS - CONSTRUCTION AND R - RADIUS R.A. - REAR ABUTMENT RCP - ROCK CHANNEL PROTECTION MATERIAL SPECIFICATIONS CONC. - CONCRETE REQD. - REQUIRED R.F. - RIGHT FORWARD CONSTR. - CONSTRUCTION CVN - CHARPY V-NOTCH DIA. - DIAMETER DIM. - DIMENSION R.R. - RAILROAD RT. - RIGHT - DRAWING R/W - RIGHT OF WAY DWG. E - EAST S - SOUTH EB - EASTBOUND SB - SOUTHBOUND E.F. - EACH FACE SER. - SERIES EL. OR ELEV. - ELEVATION EOP - EDGE OF PAVEMENT EQ. - EQUAL SHLDR - SHOULDER SPA. - SPACE OR SPACES STA. - STATION STD. - STANDARD EST. - ESTIMATED STR - STRAIGHT EX. - EXISTING EXP. - EXPANSION T - TOP T&B - TOP & BOTTOM TBD - TO BE DETERMINED TBR - TO BE RELOCATED F.A. - FORWARD ABUTMENT F/F - FACE TO FACE F.F. - FRONT FACE FT. - FOOT OR FEET FTG. - FOOTING TEMP. - TEMPORARY T.O.S. OR T/S - TOP OF SLOPE FWD. - FORWARD TR - TO REMAIN FWS - FUTURE WEARING SURFACE T/T - TOE TO TOE HMWM - HIGH MOLECULAR WEIGHT TYP. - TYPICAL *METHACRYLATE* UNK - UNKNOWN U.N.O. - UNLESS NOTED OTHERWISE VAR. - VARIES HORIZON - HORIZONTAL HW - HIGH WATER IN. - INCH V - VELOCITY V.C. - VERTICAL CURVE VPF - VANDAL PROTECTION FENCE JT. - JOINT L.F. - LEFT FORWARD LT. - LEFT W - WEST MAX. OR MAX - MAXIMUM WB - WESTBOUND

WWR - WELDED WIRE REINFORCEMENT

ROBINSON IN EERING **Е** В В

GENERAL NOTES RIDGE NO. COL-7-2634 R NORFOLK SOUTHERN R

BRIDGE 'ER NOR

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MADE BY: MRV CHECKED BY: DFT		3/29/2019 7/31/2019	ESTIMATED QUANTITIES		c.	TRUCTURAL FILE NUMBER: 1500
ITEM	TOTAL	UNIT	DESCRIPTION SUPERSTRUCTURE SUPERSTRU	E ABUTMENTS		REFERENCE SHEET NO.
202	LUMP		PORTIONS OF STRUCTURE REMOVED, OVER 20 FOOT SPAN, AS PER PLAN		LUMP	3, 7, 9 OF 53
202	98	SY	APPROACH SLAB REMOVED		98	3, 1, 0 01 03
202	98	SY	WEARING COURSE REMOVED		98	
203	825	CY	ROADWAY, MISC.: EPS GEOFOAM FILL	825		4 OF 53
503	LUMP	CV	COFFERDAMS AND EXCAVATION BRACING		LUMP	
503	766	CY	UNCLASSIFIED EXCAVATION		766	
505	LUMP		PILE DRIVING EQUIPMENT MOBILIZATION	LUMP		
507	1,380	FT	STEEL PILES HPI4X89, FURNISHED	1,380		
507	1,260		STEEL PILES HP14X89, DRIVEN	1,260		
507 507	935 1 , 030		16" CAST-IN-PLACE REINFORCED CONCRETE PILES, DRIVEN 16" CAST-IN-PLACE REINFORCED CONCRETE PILES, FURNISHED	935 1,030		
507	217		PREBORED HOLES, AS PER PLAN	217		3 OF 53
507	24		STEEL POINTS OR SHOES	24		
509	146,394	LB	EPOXY COATED REINFORCING STEEL 50,524	95,870		
V51VVV		MCW	SEMI-INTEGRAL QUAPARAOM GUIDES ASSPERS PLAN Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y Y			36.48.58.05.57
511	191	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK, AS PER PLAN	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	 	4 OF 53
			SCLASS ONCE ON ONCRETE WITH ONCYCLA, BRIDGE DECK (RARAPET) A A A A A A A A A A A A A A A A A A A	\ \ \ \ \ \ \	\ \ \ \ \ \	X X X X X Z
511	613	CY	CLASS QC2 CONCRETE WITH QC/QA, BRIDGE DECK (RARAPET)	613		
512	890	SY	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE) 311	473	106	
512 512	47 44	SY SY	SEALING CONCRETE BRIDGE DECKS WITH HMWM RESIN 47 17 17 17 17 17 18 18 1	38		
512	44	31	TIPE 2 WATERPROOFING	36		
513	136,000	LB	STRUCTURAL STEEL MEMBERS, LEVEL 4			
513	2,574	EACH	WELDED STUD SHEAR CONNECTORS 2,574			
516	17	SF	1" PREFORMED EXPANSION JOINT FILLER 17			
516	238		2" PREFORMED EXPANSION JOINT FILLER	238	117	
516 516	117 101	FT FT	SEMI-INTEGRAL ABUTMENT EXPANSION JOINT SEAL 2" DEEP JOINT SEALER		117	
516	12	EACH	ELASTOMERIC BEARING WITH INTERNAL LAMINATES AND LOAD PLATE (NEOPRENE), AS PER PLAN (13"x19"x2.037" PAD W/ STEEL LOAD PLATES AND HP12x53 PEDESTAL) 12		101	34 OF 53
518	210	CY	POROUS BACKFILL WITH GEOTEXTILE FABRIC	210		
518	405		6" PERFORATED CORRUGATED PLASTIC PIPE		405	
518	120	FT SF	6" NON-PERFORATED CORRUGATED PLASTIC PIPE, INCLUDING SPECIALS, AS PER PLAN	2 572	120	19 OF 53
518	2 , 532	3F	STRUCTURE DRAINAGE, MISC.: PREFABRICATED GEOCOMPOSITE DRAIN	2,532		3 OF 53
523	1	EACH	DYNAMIC LOAD TESTING	1		
526	316	SY	REINFORCED CONCRETE APPROACH SLABS (T=17"), AS PER PLAN		316	46 OF 53
526	101	FT FT	TYPE A INSTALLATION		101	40 OF 33
020	101	, ,	THE A MOTHEMATOR		101	
607	200	FT	VANDAL PROTECTION FENCE, 6' STRAIGHT, COATED FABRIC 200			
601	153	SY	RIPRAP, WITH GROUT		153	
625	062		CONDUIT AN 705 OA AC DED DUAN		000	7 05 57
625	862	FT	CONDUIT, 4", 725.04, AS PER PLAN		862	7 OF 53
	40	CF	POLYMER MODIFIED ASPHALT EXPANSION JOINT SYSTEM		42	
846	42	1 1				

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